

SHAUMYAN, V.A., doktor tekhn. nauk, prof., otv. red.; BOKHIN, F.I., kand. sel'khoz. nauk, zam. otv. red.; KOKOVIN, Ye V., kand. tekhn. nauk, red.; KOF YEV, Ye I., inzh., red., POPOVA, V.Ya., kand. tekhn. nauk, red.; SAMSONOVA, N.P., kand. tekhn. nauk, red.; CHICHASOV, V.Ya., kand. tekhn. nauk, red.; RODIN, Ya.S., red. izl. va

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[Theory of mechanisms and machinery; construction and kinematics of mechanisms, dynamics of machinery and friction] Teoriia mekhanizmov i mashin; struktura i kinematika mekhanizmov, dinamika mashin i trenie. Pod obshchei red. N.I. Kolchina. Leningrad, Sudpromgiz, 1962. 615 p. (MIRA 15:9)  
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(Gakkel', IAkov Modestovich) (MIRA 8:8)  
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Authors : Shaurov, N., and Shlyapnikov, N.

Title : I. I. Treteskiy's rocket engine project

Periodical : Vest. voz. flota, 5, 78-84, My 1955

Abstract : Biographical notes on Treteskiy, I. I., and the description of the rocket engine he invented in 1855.

Institution: None

Submitted : No date

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POPOV, V.A., redaktor; BOGOMOLOVA, M.F., redaktor; ZUDAKIN, I.M.,  
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(Aeronautics--History)

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AUTHORS: Garnov, V. V.; Shauro, V. V.

TITLE: High speed photography of luminous processes with color film

SOURCE: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 8, no. 4, 1963, 270-275

TOPIC TAGS: photography, high speed photography, luminous process, combustion process, color film, high speed motion picture camera, thallium salts, VV explosive, VV liquid explosive, GS 50/50 liquid explosive, trotyl, ammonite, SFT-2 high speed camera, SFR-2M high speed camera, ZhFR high speed camera

ABSTRACT: The possibility of using a color film DS-2v for high-speed photography of luminous processes is discussed. The photosensitivity of a film and the magnitude of a delay necessary for achieving best results were calculated. Because the DS-2v photosensitivity was insufficient for registering the VV detonations in a broad temperature interval, a special process for developing the DS-2v films was worked out, based on the use of thallium salts. The tests of the process consisted of photographing explosions of different VVs, including trotyl, ammonite

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ACCESSION NR: AP3003606

No. 6, TG 50/50, liquid WV, and various gas mixtures. The explosion color temperatures ranged from 2500K to 6000K. The charges varying from ten grams to several hundreds of kilograms were exploded in air and in special containers, such as gas-chambers, pipes, etc. It was established that: 1) DS-2v film can be used in the color photography of explosion processes in cameras with a speed range from 25 000 to 625 000 frames/second and at temperatures of 2500-6000K; 2) the use of thallium salts in the new procedure of film development increased the photosensitivity of the film 3-4 times. "The authors consider it their duty to thank Doctor of technical sciences V. Ya. Mikhailov and Doctor of technical sciences A. S. Dubovik for the discussion of this article and for valuable remarks". Orig. art. has: 4 figures.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR (Institute of Chemical Physics AN SSSR)

SUBMITTED: 14Jun62

DATE ACQ: 02Aug63

ENCL: 00

SUB CODE: CH, PH

NO REF Sov: 007

OTHER: 000

Card 2/2

SHAUROVA, S.

Manager of great lakes. Rab. i sial. 35 no.10:12-13 '59.  
(MIRA 13:2)  
(Naroch, Lake--Fisheries)

APPEL, ALEXANDER VITOVSKY, 1932, RUS.

Physical properties of silicate glass; investigation of calculating the thickness, the refraction index, mean dispersion, mean linear coefficient of expansion, elasticity modulus, shear modulus, dielectric permeability, and optical dispersion according to the author's method! определение свойств силикатных стекол; поиски метода вычисления толщины пластины, показателя преломления, коэффициента дисперсии, коэффициента теплового расширения, модуля упругости, модуля сдвига, диэлектрической проницаемости и поверхности стекла по методу автора. Vilnius, L'entr. Akad. Lietuviens. informacijos apgamy. Ses. komisija Lietuvos akad. p. delin. strukt. i arkhit., 1963. 26 p. (EIRA 18:1)

Shautsukaya, L. K.

1952. Influence of retardation by sedatives on the dynamics of blood albumin and residual nitrogen in treatment of malaria. L. K. Shautsukaya. Uchen. Zap. Kabardinsk. ped. Inst., 1955, 8, 145-145. *Rejestr Zh. Biol.*, 1956, Abstr. No. 12852. — The dynamics of blood albumin in treatment of malaria with prolonged sleep combined with sp. remedies, has its own distinctive features. In the process of sleep, the amount of plasma albumin is decreased by 10-4% compared with the amount of albumin at the beginning of treatment (with sp. treatment this decrease is only 4%). The content of the albumin fractions, apart from fibrinogen, is also decreased in the course of sleep; the average content of fibrinogen remains as formerly, although in comparison with the other fractions, it increases, which may indicate an improvement of protein function

of the kidneys under the action of sedative inhibition. After removal of sedative inhibition, the improvement shown in the blood goes down rapidly and persistently. Even during the course of the first day, the usual plasma albumin increases compared with the normal, by 16%. Combined treatment of malaria with sp. remedies and prolonged sleep guarantees a better therapeutic effect than the use of specific remedies alone. (Russian) F. McKeehan

GIBEL', L.; BOLOV, A.; SHAUTSUKOV, A.; ABDIKAYEV, M.M.; Gerasimovskiy, I.V.

Readers: letters. Zashchite rast. et vred. i bol. 9 no.1:12-19 '64.  
(MIRA 17:4)

1. Nachal'nik Urvanskogo otryada po bor'be s vreditelyami i boleznyami rasteniy (for Gibel'). 2. Nachal'nik Baksanskogo otryada po bor'be s vreditelyami i boleznyami rasteniy (for Bolov). 3. Nachal'nik Terskogo otryada po bor'be s vreditelyami i boleznyami rasteniy (for Shautsukov). 4. Nachal'nik Tuymazinskogo proizvodstvennogo upravleniya, Bashkirskaya ASSR (for ABDIkeyev). 5. Nachal'nik otryada po zashchite rasteniy krigorodnogo proizvodstvennogo upravleniya Severo-Osetinskoy ASSR (for Gerasimovskiy).

SHAUTSUKOV, Z.

Mechanical hands cultivate corn hills. Nauka i pered.op.v  
(MIRA 13:4)  
sel'khoz. 9 no.12:24-29 D '59.

1. Zaveduyushchiy otdelom mekhanizatsii respublikanskoy sel'  
skokhozyaystvennoy optytnoy stantsii, ministr sel'skogo  
khozyaystva Kabardino-Balkarskoy ASSR.  
(Agricultural machinery) (Corn (Maize))

SHAUTSUKOV, Zalim-geri, kand. sel'khoz. nauk, zasl. agronom RSFSR;  
SHUL'TS, D.O., red.; SAYTANIDI, L.D., tekhn. red.

[Mechanized tillage of corn fields without manual work]  
Mekhanizirovannaya obrabotka posevov kukuruzy bez primene-  
niia ruchnogo truda. Moskva, Izd-vo MSKh RSFSR, 1963. 119 p.  
(MIRA 16:7)

(Corn (Maize)) (Tillage)

SHAUTSUKOV, Zelim Khadzhimurzovich; ZEMLYANOY, I.S., red.; SAYTANIDI, L.D.,  
tekhn. red.

[Simultaneous cultivation of corn interrows and the immediate area  
around the plants] Odnovremennaia mekhanizirovannaia obrabotka  
mezhduriadii i zashchitnykh zon posevov kukuruzy. Moskva, Izd-vo  
M-va sel'.khoz. RSFSR, 1960. 54 p.  
(Corn (Maize))

SHAUTSUKOV, Z. Kh.

Cand Agr Sci - (diss) "Procedures for the mechanized treatment of corn sowings and their effect on the formation of high yields under conditions of Kabardino-Balkaria." Moscow, 1961. 30 pp; (Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev); 200 copies; price not given; (KL, 6-61 sup, 233)

SHAUTSUKOV, Zalim Khadzhimurzovich; LEONOVA, T.S., red.; RAKITIN, I.T.,  
tekhn. red.

[King Corn; what we learn from the experiences of the corn experts  
from Kabardino-Balkar] Bogatyrskoe zerno; chemu uchit opyt masterov  
kukuruznykh polei Kabardino-Balkarii. Moskva, Izd-vo "Znanie,"  
1961. 47 p. (Vsesoiuznoe obshchestvo po rasprostraneniu politiche-  
skikh i nauchnykh znanii. Ser. 5, Sel'skoe khoziaistvo, no.18)  
(MIRA 14:10)

(Kabardino-Balkar A.S.S.R.—Corn)

KEREFOV, K.I., doktor sel'skokhoz.nauk, prof.; KUPERMAN, F.M., doktor biolog. nauk, prof.; SHAUTSUKOV, Z.Kh., kand.sel'skokhoz. nauk

Morphophysiological analysis of the single-ear and double-ear forms of corn on collective farms of the Kabardino-Balkar A.S.S.R in 1961. Uch. zap. Kab. - Balk. gos. un. no.14:14-22'62. (MIRA 16:6)

1. Kabardino-Balkarskiy gosudarstvennyy universitet (for Kerefov). 2. Moskovskiy gosudarstvennyy universitet (for Kuperman).

(KABARDINO-BALKAR A.S.S.R.—CORN BREEDING)

SHAUTSUKOVA, L.K.

Effect of sleep-induced protective inhibition on the dynamics of hemo proteins and on the residual nitrogen content during the treatment of malaria. Uch.zap.Kab.ped. inst. no.8:125-145 '55.

(MLRA 10:3)

(SLEEP--THERAPEUTIC USE) (MALARIA) (BLOOD PROTEINS)

1956, ...:

Shautsukov, I. K.:

"Some physiological and biochemical shifts in the treatment of malaria against the background of sleep-inhibitive induction." Voronezh State Medical Inst. Mal'chik, 1956. (Dissertation for the Degree of Candidate in Medical Sciences).

Knizhnaia letopis'  
No. 21, 1956, Moscow.

USSR / Pharmacology and Toxicology. General Problems.

V-1

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75673

Author : Shautsukova, L. K.

Inst : Kabardinsk State Pedagogical Institute

Title : On the Problem of Actography in the Treatment of Malaria.

Orig Pub : Uch. zap. Kabardinsk. gos. ped. in-ta, 1956, vyp. 10, 89-111

Abstract : In rabbits, the motor activity was studied by the alternating method of B. I. Bayandurov (Trophic Function of the Brain, Medgiz, 1949, p. 230-241) with the blocking of the RES by trypan blue, by a combination of the introduction of chloral hydrate and the blocking of the RES, as well as with the administration of chloral hydrate alone. In human malarial patients, actography was conducted by the B. V. Andreyev method (Klinich. med., 1953, 31, No. 4, 74-77). A significant predominance of inhibiting processes in patients is noted in comparison with the normal, especially on days of attack. -- A. G. Brusilovskaya.

Card 1/1

USSR/Pharmacology, Toxicology - Narcotics.

U-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12845

in the number of RBC, a slight leucocytosis and a shift of the differential white count to the leucopenic side but with an increase in all these indices when the sleep ended. The changes in Hb. paralleled those in blood iron. The authors surmise that the efficacy of the protective inhibition of sleep may be judged by the biochemical and physiologic changes.

Card 2/2

SHAUTSUKOVA, L.K., dotsent, kand. med. nauk; SRUKOV, M.N.

Effect of the "Dolinsk No.1" mineral water on the evacuation  
of the stomach; experimental data. Uch. zap. Kab.-Balk. gos.  
un. no.12:287-291 '62. (MIRA 16:6)

(NAL'CHIK-MINERAL WATERS)  
(GASTROINTESTINAL MOTILITY)

SHAVARDIN, YU. M.

USSR/Engineering

Testing and Standardization

Testing Procedures

Apr 48

"Reply to the Questionnaire," Ye. M. Shavardin, Sr  
Sci Assoc, Shipbuilding Inst, 4 pp  
In "Zavod Lab" Vol XIV, No 4

Stresses importance of determining reduction in area  
and true tensile strength during testing of materials.

Discusses factors affecting resilience--temperature,  
speed, and form. Suggests that satisfactory  
functioning of cast-iron crankshafts is good evalua-  
tion of fatigue characteristic. Among standards of

USSR/Engineering (Contd)

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uniformity are ultimate tensile strength, brittleness, critical brittleness temperature, and number  
of bends to produce destruction.

4/49258

USSR / Human and Animal Morphology (Normal and Pathological).  
Circulatory System. Blood Vessels.

S

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 48637

Author : Shayanov, A. M.  
Inst : Saratov Medical Institute  
Title : On the Morphological Changes of the Vascular Plexus  
of the Brain in Atherosclerosis and Hypertension

Orig Pub : Sb. nauchn. rabot. Saratovsk. med. in-t, Saratov, 1957,  
112-133

Abstract : No abstract given

Card 1/1

58

SHAVANOV, I. M.

USSR/ Agriculture

Card 1/1      Pub. 123 - 14/16

Authors : Polyakov, P. P., and Shavanov, I. M.

Title : Vegetation resources of Kazakhstan

Periodical : Vest. AN Kaz. SSR 12, 90-92, Dec. 1954

Abstract : Botanical data are presented regarding plants, vegetation and herbs growing in Kazakhstan.

Institution : .....

Submitted : .....

SHAVRA, V.M., inzh.

Effect of the superheating of sucked-in vapor on the performance of a Freon compressor. Khol.tekh. 40 no.1:23-29 Ja-F '63. (MIRA 16;3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti.  
(Refrigeration and refrigerating machinery) (Compressors)

Shchukin, N.V. (1981) *Modifikatsiya klinicheskogo operejnogo prototipa*.  
Moskva, Sov. Med.

Modification of surgical technique of N.V. Shchukin (1981)  
no.8:cl-61 1981.

1. Iz kliniki ortopedicheskogo in-ta im. N.N. Burdenko  
Uchebskogo in-ta im. N.N. Burdenko (dir. - S.A.  
Aktundzhanov).

SHAVARIN, B.V., mladshiy nauchnyy sotrudnik (Tashkentskaya obl.,  
Kalininskiy rayon, selo Lunacharskoye, Krasnoarmeyskaya ul. 48)

Method for the examination of patients with ankylosis of the  
hip joint. Ortop., travm. i protez. 26 no.5:75-76 My '65.  
(MIRA 18:10)

1. Iz Uzbekskogo instituta travmatologii i ortopedii (dir. -  
kand. med. nauk A.A. Abdugafurov).

S/120/62/000/001/033/061  
E052/E314

AUTHORS: Tikhomirov, N.V. and Shavarin, Yu.Ya.  
TITLE: Production of ultrahigh vacuum with the aid of  
ordinary pumps  
PERIODICAL: Pribory i tekhnika eksperimenta, no. 1, 1962,  
157 - 141  
TEXT: It is pointed out that the use of ionization gauges  
as pumps suffers from the disadvantage that they have a low  
pumping speed. The authors have therefore made use of the  
method described by A. Venema and M. Bandringa ( Philips Techn.  
Rev., 1958/1959, 20, no. 6, 145 - Ref. 8) and have employed an  
ordinary vacuum technique ensuring a high pumping speed. Two  
vacuum systems are described, capable of producing a vacuum  
of the order of  $4 \times 10^{-10}$  to  $5 \times 10^{-10}$  mm Hg. The systems  
incorporate commercial mercury diffusion pumps and high-  
efficiency liquid nitrogen traps. The diffusion pumps are the  
 $\Delta PH$ -10 (DRN-10) and  $\Delta PH$ -50 (DRN-50) models. A description  
is also given of a two-stage glass mercury diffusion pump

Card 1/2

S/120/62/000/001/033/061  
E032/E314

Production of ....

having a speed of about 60 litres/sec. This pump is similar to that described in Ref. 8. Characteristics are reported of the ionization gauge VM-11 (IM-11) and it is shown that it can be used to record pressures down to

$10^{-10}$  mm Hg. The design of these systems is based on the recommendations of Venema and Bandringa (Ref. 8).

There are 4 figures.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut (Scientific Research Physicochemical Institute)

SUBMITTED: May 11, 1961

Card 2/2

AMELIN, Nikolay Ul'yanovich; SHAVARINA, N., red.; YURGANOV, M.,  
tekhn,red.

[Let everybody think about it] Pust' kazhdyi podumaet.  
Chita, Chitinskoe knizhnoe izd-vo, 1959. 48 p.  
(MIRA 14:1)  
(Chita Province--Economic policy)

TARASOV, Georgiy L'vovich; SHAVARINA, N., red.; YURGANOV, M., tekhn. red.

[The seven-year plan in Chita Province] Semiletka Chetinskoi oblasti. Chita, Chitinskoe knizhnoe izd-vo, 1959. 86 p.  
(MIRA 14:7)

(Chita Province—Economic policy)

KULIKOV, Boris Stepanovich; SHAVARINA, N., red.; YURGANOVA, M., tekhn. red.

[New construction projects of Chita Province] Novostroiki Chitinskoi oblasti. Chita, Chitinskoe knizhnoe izd-vo, 1960. 73 p.  
(MIRA 14:7)

(Chita Province—Construction industry)  
(Chita Province—Industries)

SHAVARINA, V. P.

36897. O biologicheskikh svoystvakh krovi bol'nikh ginertonicheskoy bolezni, lecheniya nekotoryimi fizicheskimi faktorami. Trudy Uzbek. gos. nauch.-issled. in-ta kurortologii i fizioterapii im. Semashkoy, sb. II, 1949, s. 28-38

SO: Letopis' Zhurnal 'Naykh Statey, Vol. 50, Moskva, 1949

SHAVARINA, V.P.

Biological properties of the blood in hypertension treated with hydroaerionization. Trudy Uz.ges.sauch.-visal, inst.ekr. i fizikter. 13:173-186 '55.

Biological properties of the blood in hypertension treated with radon baths. Ibid. 1253-258  
(MRA 18:2)

SHVARTZ, V. P., Cand Biol Sci (diss) -- "The effect of Tashkent mineral water on the secretory, motor, and evacuatory functions of the stomach (Experimental investigation)". Tashkent, 1959. Published by SAVU. 17 pp (Central Asia State Univ V. I. Lenin), 300 copies (EJ, No 2, 1960, 124)

SAVARINA, V.P., mladshiy nauchnyy sotrudnik

Influence of Tashkent mineral water on gastric secretory function  
in dogs. Trudy Uz. gos. nauch.-issl. inst. kur. i fizioter. no.15:  
59-73 '59. (MIREA 14:9)  
(MINERAL WATE.S) (STOMACH-SECRETIONS)

SHAVARINA, V.P., mladshiy nauchnyy sotrudnik

Influence of Tashkent mineral water on the motor function of  
the isolated stomach in dogs. Trudy Uz. gos. nauch.-issl. inst.  
kur. i fizioter. no.15:75-94 '59. (MIRA 14:9)  
(MINERAL WATERS) (STOMACH)

SUKHODOL'SKIY, D.A.; SHAVARNAYEV, M.G.; LOBANOV, K.P.

Disinfecting device for use with the GAZ-51 and GAZ-63  
motor trucks. Veterinariia 41 no.10:76-77 0 '64.

(MIRA 18:11)

1. Glavnnyy veterinarnyy vrach Muromtsevskogo proizvodstvennogo  
upravleniya (for Sukhodol'skiy).
2. Starshiy inzhener  
Muromtsevskogo proizvodstvennogo upravleniya (for Shavarnayev).
3. Nachal'nik veterinarnogo otdela Omskogo oblastnogo upravleniya  
proizvodstva i zagotovok sel'skokhozyaystvennykh produktov (for  
Lobanov).

LEVINA, R.Ya.; SHAVAROV, Yu.S.; KUZ'MIN, M.G.

II-Carbethoxydihydropyridazines and their derivatives. Zhur. ob. khim. 30 no.8:2469-2473 Ag '60. (MIRA 13:8)

1. Moskovskiy gosudarstvennyy universitet.  
(Pyridazine)

CHART 122. 1929-1930.

"*Role of J. M. Planck in Calculations of Log. Atc. S. Its*," *Zhur. Prikl. Mat.,* 22, No. 5, 1949. *Transl. from *Zhur. Prikl. Mat.**, 1949.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001548720011-2"

SHAVEKU, A.D.

Introducing new equipment and advanced technology. Kozh.-obuv.  
prom. 2 no.5:28-29 My '60. (MIRA 13:9)  
(Shoe manufacture)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001548720011-2

SEARCHED, INDEXED, SERIALIZED, FILED, JUN 19 1986, R. W. MURKIN, P. A. C.

"Oxygen Mobility Curves and the Kinetics of Oxygen Exchange."

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001548720011-2"

GERASIMOVSKIY, V.I.; TUZOVA, A.M.; SHAVELEVYEVSKIY, I.D.

Ratio of zirconium to hafnium in the Lovozero Massif [with summary  
in English]. Geokhimiia no.8:743-748 '58. (MIRA 12:2)

1. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernad-  
skogo AN SSSR, Moskva.

(Lovozero Tundras--Zirconium ores)  
(Lovozero Tundras--Hafnium ores)

1. SELYATITSKIY, G.A., SHAVELKINA, S.I.
2. USSR (600)
4. Coal-Kuznetsk Basin
7. Geological structure and reserves of the openpit mine section of the Novo-Sergeevskiy coal deposits in the Kuznetsk Basin. (Abstract) Izv. Glav. upr. geol. gon. no. 2: 1947
9. Monthly List of Russian Accessions, Library of Congress, March 1951. Unclassified.

T SUPRIK, R.; SHAVEL'SKAYA, T., red.; YURGANOV, M., tekhn.red.

[What to read about Chita Province; list of recommended literature] Chto chitat' o Chitinskoi oblasti; rekomendatel'nyi ukazatel' literatury. Chita, Chitinskoe knizhnoe izd-vo, 1959. 166 p. (MIRA 12:12)  
(Bibliography--Chita Province) (Chita Province--Bibliography)

VAZINGER, Alevtina Vasil'yevna; YEGEREVA, N., red.; SHAVEL'SKAYA, T., otv.  
za vypusk; YURGANOVA, M., tekhn. red.

[Natural conditions and feed resources of Chita Province] Pri-  
rodnye usloviia i estestvennye kormovye resursy Chitinskoi ob-  
lasti. Chita, Chitinskoe knizhnoe izd-vo, 1959. 126 p.  
(MIRA 14:10)

(Chita Province—Physical geography)

GERBERG, Anatoliy Aronovich, inzh.; YEVORENKO, Gennadiy Isidorovich, inzh.; SHAVEL'SKAYA, T., red.

[Apartment houses made of new materials; make extensive use of perlite and keramzit in building] Doma iz novykh materialov; perlity i keramzity - shirokuiu dorogu na strelki. Chita, Chitinskoe knizhnoe izd-vo, 1963. 70 p. (MIR 17:6)

SHAVEL'SKIY, Aleksandr Yevgen'yevich; SAVITSKIY, F.I., red.; MISHKO,  
A.I., tekhnred.

[Business accounting and profit; costs and prices. Lectures on  
political economy] Khoziaistvennyi raschet i rentabil'nost';  
sebestoimost' i tsens. Lektsii po politicheskoi ekonomii. Minsk,  
Izd-vo Belgosuniv. im. V.I.Lenina, 1959. 36 p. (MIRA 13:9)  
(Finance)

SHAVEL'SKIY, A.Ye. [Shavel'ski, A.]; DUBOVIK, P., red.; SLAVYANIN, I.,  
tekhn.red.

[Increasing labor productivity is the most important condition  
for the carrying out of the seven-year plan] Pavlyshenne  
produktsyinastsi pratsyvazhneishaiia umova vykanannia siamihodki.  
Minsk, Dziarzhaunae vyd-va BSSR. Red.masava-palit.lit-ry, 1959.  
39 p.

(MIRA 13:4)

(White Russia--Efficiency, Industrial)

LUKASHEVICH, Sergey Ivanovich; LEVIN, Iosif Ben'yaminovich;  
SHAVEL'SKIY, A.Ye., nauchnyy red.; ZIMA, Ye.G., tekhn. red.

[The main economic problem of the Soviet people and how to  
solve it] Glavnaya ekonomicheskaya zadacha sovetskogo naroda  
i puti ee resheniya. Minsk, 1962. 36 p. (Obshchestvo po  
rasprostraneniuu politicheskikh i nauchnykh znanii Belorus-  
skoi SSR, no.1) (MIRA 15:3)

(Russia--Economic policy)

ABRASHEV, G.P.; RADEV, R.I.; TSENKOV, TS.G.; DIMOV, N.D.; ZAKHARIYEV, I.TS.;  
PENCHEV, S.P.; TSONEV, M.D.; SHAVEL'SKIY, G.A.

Crude oil of the Dolni Dubnik field. Khim i tekh.topl.i masel 8  
(MIRA 16:12)  
no.11:24-30 N '63.

GLAZUNOV, G.P.; SHAVEL'SKIY, V.V.

Placement of the switching signals of automatic block systems.  
Avtom., telem. i sviaz' 7 no.11:40 N '63. (MIRA 16:12)

1. Glavnnyy spetsialist Moskovskogo gosudarstvennogo proyektno-  
izyskatel'skogo i nauchno-issledovatel'skogo instituta transporta  
Ministerstva transportnogo stroitel'stva SSSR.

SHAVEL'ZON, M. V.

MIKHIN, M.K.; GORIN, V.K.; KUZIN, M.D., inzhener, redaktor; SHAVEL'ZON, M.V.,  
inzhener, redaktor; CHARIKHOV, L.A., inzhener, redaktor.

[Automatic control of Martin furnaces] Avtomaticheskoe regulirovaniye  
martenovskikh pechей. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry  
po chernoi i tsvetnoi metallurgii, 1953. 503 p. (MLRA 7:6)  
(Open-hearth process) (Automatic control)

PANFILOV, M.I., inzhener; SHAVEL'ZON, M.V., inzhener.

New combustion control system for Martin furnaces. Stal' 15 no.1:  
84-86 Ja '55. (MIRA 8:5)

1. Glavuralmet i Uralmetallurgavtomatika.  
(Open-hearth process)

DOBZHSKIY, Boris L'vovich; IL'INYKH, Ivan Aleksandrovich; SHAVEL'ZON, M.V.,  
inzhener, retsenzent; DUGINA, N.A., tekhnicheskiy redaktor

[Automatization of thermal process in heat-treatment furnaces;  
the experience of Ural Machine Plant] Avtomatizatsii teplovyykh  
protsessov nagrevatel'nykh pechei; iz opyta Uralmashzavoda.  
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956.  
48 p.

(MLRA 10:3)

(Automatic control) (Furnaces, Heat treating)

SOV/137-58-9-18419

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 31 (USSR)

AUTHOR: Shavel'zon, M. V.

TITLE: Apparatus and Systems of Automatic Control of Open-hearth Furnaces (Apparatura i skhemy avtomaticheskogo regulirovaniya martenovskikh pechey)

PERIODICAL: V sb.: Materialy konferentsii-kursov po elektroprivodu i avtomatiz. tekhnol. protsessov metallurg. predpriyatiy. Sverdlovsk., Metallurgizdat, 1957, pp 55-82

ABSTRACT: The automatic control (C) of open-hearth furnaces includes the reversal of the valves, C of the pressure in the furnace, and C of the combustion. The properties of each of the units mentioned are adduced. It is indicated that the reversal of the flame according to time is being widely applied owing to the equalization of the brickwork of the regenerative chambers. Descriptions are given of systems for the reversal of the valves according to the impulses which characterize the maximum temperature of the brickwork with a control based on timing and the mean temperature of the brickwork (with a time integrator relay). A review is given of widely adopted systems of fuel combustion

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SOV/137-58-9-18419

**Apparatus and Systems of Automatic Control of Open-hearth Furnaces**

[Askaniya (German "Askania", Transl. Ed. Note), Kuznetskiy Metallurgical Kombinat, and others]. A favorable evaluation is made of the feasibility of putting into practice complex C circuits for the heat control of open-hearth furnace.

V. K.

1. Open hearth furnaces--Automation
2. Control systems--Operation
3. Heat--Control

Card 2/2

MADISON, V.G.; NIKOFOROV, S.T.; SHAVEL'ZON, M.V.

Complete time relay. Priborostroenie no.10:26-27 0 '58.  
(Electric relays) (MIRA 11:10)

MINAYEV, Anatoliy Nikolayevich, kand.tekhn.nauk; SHIPILIN, Boris Il'ich, inzh.; TELEGIN, A.S., kand.tekhn.nauk; LEVCHENKO, P.V., kand.tekhn.nauk; SOKOLOV, K.N., kand.tekhn.nauk; SHAVEL'ZON, M.V., inzhener; MINAYEV, A.N., kand.tekhn.nauk; YAROSHENKO, Yu.G., kand.tekhn.nauk; GORSHKOV, A.A., doktor tekhn.nauk, retsenzent; DUBITSKIY, G.M., kand.tekhn.nauk, obshchiy red.; BUTAKOV, D.K., kand.tekhn.nauk, red.; KSENOFONTOV, B.M., kand.tekhn.nauk, red.; PORUCHIKOV, Yu.P., kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red.

[Cupola furnaces and drying chambers] Liteinye pechi i sushila. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 472 p.

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(Foundry machinery and supplies)

AUTHORS: Madison, V. G., Engineer, Sivtsev, S. T., Engineer, Snavel'zon M. V., Engineer SSV/119-53-10-12/19

TITLE: Integral Timing Relay (Integral'noye rele vremeni)

PERIODICAL: Priborostroyeniye, 1958, Nr 10, pp 26-27 (USSR)

ABSTRACT: This apparatus is devised for the tilting of the shutters of Martin furnaces. In 1956 the Uralmetallurgavtomatik began to produce the test series. In 1957 the normal production started. The apparatus consists of two blocks. The timing relay block and the block for the switch mounted on an automatic potentiometer by means of which the temperature of the furnace lining is measured. Two radiation pyrometers of the RP type sight the upper filling limit of the furnace and by way of a control switch are connected to the automatic potentiometer EP-120-1s. The motion of the pointer mechanically changes a resistance which belongs to a timing relay. The consequence of this is a change of the frequency of the re-adjustment. The relay block is mounted on an asynchronous with a starting condenser motor of the type D-32. The nominal values for the resistances

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Integral Timing Relay

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is not partly given. By selecting them the right way it could be achieved that between the temperature and the time of delay of the relay a linear dependence was enforced. Until now the apparatus has been operating satisfactorily. There are 3 figures.

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